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(71)Applicant : SUZUKI SABURO

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(72)Inventor : SUZUKI SABURO  
YOKOHAMA KENJI

(30)Priority

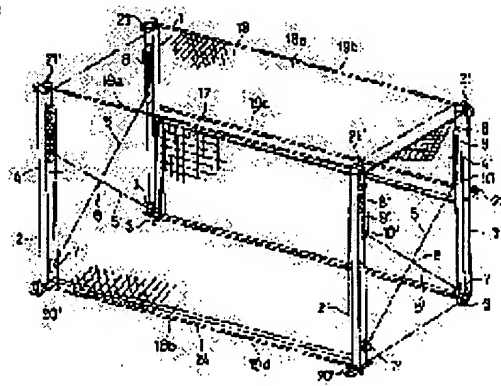
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### (54) FOLDABLE REFUSE BAG STORAGE BOX

#### (57)Abstract:

**PURPOSE:** To provide a refuse bag storage box whose structure can be folded by making columns stand at four corners to form a box structure, jointing opposing columns to each other so as to expand and contract, and moving one column to the other column, and which can be folded with one touch so that the box may perform no interference on other days than a refuse collecting day.

**CONSTITUTION:** When using a storage box, movable columns 1, 1' are drawn out forward with the movable columns 1, 1' and stationary columns 2, 2' folded so that they may be in proximity to each other. Bracings between the movable columns 1, 1' and the stationary columns 2, 2' are then opened in an X form. At this time, a net-shaped or cloth element is tensed above a front plate 17. When throwing in a refuse bag, a rod 19c is lifted up from an L-shaped locking member 20 and placed onto a U-shaped hardware 21. The polyvinyl bag storing refuse is thrown in from an opening at the front top of the storage box. When refuse is not required to be thrown in, or when storing, the rod 19c is fitted onto the locking member 20 to close the opening and prevent a crow, cat or the like from invading.



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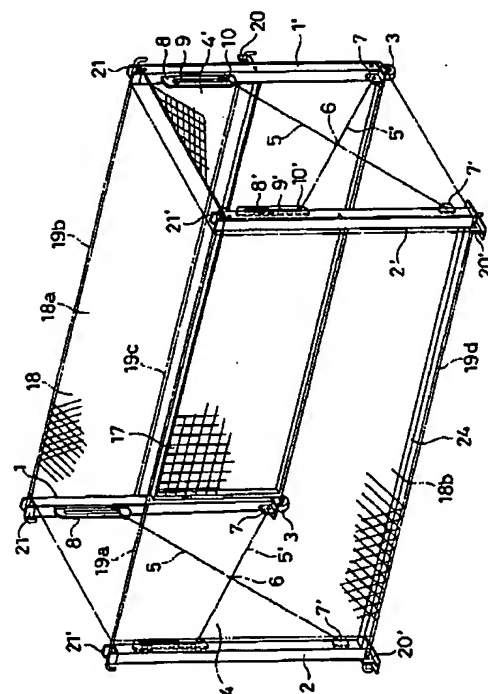
(21)出願番号	特願平8-84533	(71)出願人	591023778 鈴木 三郎 神奈川県横浜市保土ヶ谷区上菅田町1400-1
(22)出願日	平成8年(1996)3月14日	(72)発明者	鈴木三郎 神奈川県横浜市保土ヶ谷区上菅田町1400-1
(31)優先権主張番号	特願平7-80885	(72)発明者	横浜健二 千葉県鎌ヶ谷市東中沢3-24-35
(32)優先日	平7(1995)3月14日	(74)代理人	弁理士 稲垣 仁義
(33)優先権主張国	日本 (J P)		

(54)【発明の名称】 折り畳み可能なごみ袋収容箱

(57)【要約】

【課題】 ごみ袋を、カラス、ネコ等によって破られないようにし、しかもゴミ収集日以外は、車両や通行人の邪魔にならないようにすると共に、容易にワンタッチで折り畳み且つ収容箱に形成し得る安価なごみ袋収容箱を提供する。

【解決手段】 四隅に支柱を立てて箱体を形成し、対向する一方の支柱と対向する他方の支柱とをそれぞれ伸縮自在に連結し、底板はなくすか或は伸縮自在の部材で形成し、前記一方の支柱を前記他方の支柱の方へ移動させることによって、前記箱体を折り畳み、前記一方の支柱を後方へ引っ張ることによって、前記箱体を形成し得るようにした。



## 【特許請求の範囲】

【請求項1】四隅に支柱を立設して箱体を形成し、対向する一方の支柱と対向する他方の支柱とをそれぞれ伸縮自在に連結し、底板はなくすか或は伸縮自在の部材で形成し、前記一方の支柱を前記他方の支柱の方へ移動させることによって、前記箱体を折り畳み、前記一方の支柱を後方へ引っ張ることによって、前記箱体を形成し得るように構成したことを特徴とするごみ袋収容箱。

【請求項2】前記箱体の蓋体を伸展及び折り畳み自在に形成してなる請求項1に記載の収容箱。

【請求項3】前記一方の支柱を移動支柱とし、前記他方の支柱を固定支柱としてなる請求項1に記載の収容箱。

【請求項4】前記固定支柱同士を、梁で連結固定してなる請求項1に記載の収容箱。

【請求項5】前記一方の支柱と前記対向する他方の支柱とを、それぞれ伸縮自在の部材で連結してなる請求項1に記載の収容箱。

【請求項6】前記移動支柱と前記固定支柱との間に、第2の移動支柱を立設し、該第2の移動支柱を、前記伸縮自在の部材に固定してなる請求項5に記載の収容箱。

【請求項7】前記伸縮自在の部材を、シート若しくはネット状物またはジャバラ状物で形成してなる請求項5に記載の収容箱。

【請求項8】前記移動支柱と前記固定支柱とを、プレーシングで自在に伸縮し得るように連結してなる請求項1に記載の収容箱。

【請求項9】前記移動支柱と前記第2の移動支柱及び該第2の移動支柱と前記固定支柱とを、プレーシングで自在に伸縮し得るように連結してなる請求項6に記載のごみ袋収容箱。

【請求項10】前記プレーシングが、リンクを中央部で回動自在に連結し、前記リンクの一端を、それぞれ前記移動支柱若しくは固定支柱に回動自在に固定し、前記リンクの他端を、それぞれ移動支柱若しくは固定支柱に固定したガイド枠に形成した長孔に、上下動自在に支持してなる請求項8または9に記載の収容箱。

【請求項11】蓋体を網状若しくは布状体で伸展及び折り畳み自在に形成し、該蓋体の先端及び後端に固定したロッドを、前記移動支柱及び固定支柱の上端に対向して設けた凹状溝に着脱自在に嵌合して、蓋体を開閉及び開鎖し得るように構成してなる請求項1に記載の収容箱。

【請求項12】前記移動支柱間の下部に、前板を装着してなる請求項11に記載の収容箱。

【請求項13】前記蓋体の移動支柱側に固定したロッドに、網状若しくは布状体を連設し、該網状若しくは布状体先端に固定したロッドを、前記移動支柱の前記前板上端に近接して固定した係止部材に着脱自在に係止して、ゴミ袋投入口を開閉自在に形成してなる請求項12に記載の収容箱。

【請求項14】前記蓋体の固定支柱側に固定したロッド

に、網状若しくは布状体を連設し、該網状若しくは布状体先端に固定したロッドを、前記固定支柱に固定した係止部材に着脱自在に係止して、ゴミ袋取出口を開閉自在に形成してなる請求項13に記載の収容箱。

## 【発明の詳細な説明】

【0001】

【発明の属する技術分野】この発明は、ごみ、残飯等を充填した多数のごみ袋を、一時的に収容するコンパクトに折り畳み可能なごみ袋収容箱に関するものである。

【0002】

【従来の技術】周知のように、ごみ、残飯等の生ゴミをごみ袋に収容し、これを、所定の日に道路の所定の集積場所に放置して置くと、ごみ運搬車がこれを収集運搬していくようになっている。しかし、ポリのごみ袋に残飯などの生ゴミを収容した場合は、カラス、ネコ等のごみ袋を破って、路上にごみが散乱し、道路の美観を損ねると共に、散乱したごみの収集に非常に手間がかかる等の問題があった。

【0003】このようなごみ袋を、カラス、ネコ等によって破られないようにし、しかもゴミ収集日以外は、車両や通行人の邪魔にならないようにしたごみ袋収容箱は、従来全く知られていないし、このような発想も全く知られていない。

【0004】

【発明が解決しようとする課題】この発明は、ごみ袋を、カラス、ネコ等によって破られないようにし、しかもゴミ収集日以外は、車両や通行人の邪魔にならないようにすると共に、容易にワンタッチで折り畳み且つ収容箱に形成し得る安価なごみ袋収容箱を提供することを目的とする。

【0005】

【課題を解決するための手段】上記目的に沿う本発明の構成は、四隅に支柱を立設して箱体を形成し、対向する一方の支柱と対向する他方の支柱とをそれぞれ伸縮自在に連結し、底板はなくすか或は伸縮自在の部材で形成し、前記一方の支柱を前記他方の支柱の方へ移動させることによって、前記箱体を折り畳み、前記一方の支柱を後方へ引っ張ることによって、前記箱体を形成し得るように構成したことを特徴とする。

【0006】

【発明の実施の形態】次に、本発明の実施例を図面に基づいて説明する。図1に示すように、移動支柱1と固定支柱2及び移動支柱1'と固定支柱2'とは、ネット4、4'が張設されている。移動支柱1、1'下端には、容易に移動し得るように、脚車3が固定されている。また、固定支柱2、2'の下端は、梁24で連結固定されている。

【0007】移動支柱1(1')と固定支柱2(2')とは、プレーシングで自在に伸縮し得るように連結されている。プレーシングは、図1に示すように、リンク

3

5, 5' の交差する中央部を螺子6によって回動自在に連結し、リンク5, 5' の下端を、それぞれ移動支柱1 (1') 及び固定支柱2 (2') に固定した板体7, 7' に回動自在に固定し、リンク5, 5' の上端は、それぞれ移動支柱1, 1' 及び固定支柱2, 2' に固定したガイド枠8, 8' に形成した長孔9, 9' に、リンク5, 5' 上端に螺子10, 10' を挿入することにより、リンクが長孔10, 10' に案内されて自在に上下動するように構成されている。

【0008】上記実施例に於いては、移動支柱1 (1') と固定支柱2 (2') とは、プレーシングで自在に伸縮し得るように連結されているが、自在に伸縮し得るなら他の手段でも良く、例えば継ぎ筒体で自在に伸縮し得るように連結しても差し支えない。移動支柱1, 1' と固定支柱2, 2' とは、ネット4, 4' で連結されているので、移動支柱1, 1' を前方に移動させただけで、収容箱は折り畳まれ、移動支柱1, 1' を後方に移動させるだけで、再度収容箱に形成される。

【0009】上記実施例に於いては、四隅の支柱は、移動支柱1 (1') と固定支柱2 (2') とで形成しているが、図3に示すように、全て移動支柱1 (1') となるようにしても良い。この場合は、脚車3は、ロック可能に構成し、一方の移動支柱1 (1') をロックして、収容箱に形成若しくは折り畳むようにすると良い。

【0010】上記実施例では、移動支柱1, 1' と固定支柱2, 2' とは、ネット4, 4' で連結しているが、これは必ずしもこのようでもなくとも良く、伸縮自在の部材であるなら特に限定されない。例えば、シート状物またはアコーディオンカーテンのようなジャバラ状部材で連結しても良い。また、図3に示すように、支柱1及び1' 間の側板11を、中央を蝶番15で折曲自在に連結して形成し、一方の移動支柱1, 1' を前方に移動させることにより、側板11は、内方に山形に折曲して、収容箱は折り畳まれ、一方の移動支柱1, 1' を後方に移動させるだけで、再度収容箱に形成されるようにしても良い。

【0011】図3に示す側板11の固定は、側板11両側部の上下に固定した鉤形の金具12を移動支柱1, 1' の上下に固定したパイプ13に差し込むことにより行っている。尚、図3に於いて、側板11の下端に近接して、蝶番15で折曲自在に連結した梁14が、移動支柱1, 1' に連結され、側板11と共に、内方に山形に折曲して、折り畳まれるようになっている。

【0012】上記図1及び図3に示す実施例に於いては、底板は設けていないが、底板を設ける場合は、伸縮自在の部材例えば、シート状若しくはネット状物またはアコーディオンカーテンのようなジャバラ状部材で形成する。

【0013】移動支柱1, 1' 間の下方には、図1に示すように、金網16を張設した前板17が着脱自在に固

4

定されている。前板17の移動支柱1, 1' への固定は、開口部が対向するように固定した断面コ字形の固定部材(図示省略)の開口部に、前記移動支柱1, 1' の両側部を遊嵌させることにより行っている。勿論、他の手段で固定しても差し支えない。

【0014】図1に示すように、蓋体18は、網状若しくは布状体で伸展及び折り畳み自在に形成し、蓋体の先端(固定支柱側)及び後端(移動支柱側)に固定したロッド19a, 19bを、移動支柱1, 1' 及び固定支柱2, 2' の上端に対向して設けたU字状金具21, 21' に着脱自在に嵌合して、蓋体18を開口及び閉鎖し得るように形成している。

【0015】蓋体の後端(移動支柱側)に固定したロッド19bの先端には、ゴミ投入口を形成する網状若しくは布状体18aが連設され、該網状若しくは布状体18a先端に固定したロッド19cを、移動支柱の前板17上端に近接して固定したL字形の係止部材20に着脱自在に嵌合して、ゴミ袋投入口を開閉自在に形成している。

【0016】蓋体18の固定支柱側に嵌合固定したロッド19aには、網状若しくは布状体18bが連設され、該網状若しくは布状体18b先端に固定したロッド19dを、固定支柱下端に固定したL字形の係止部材20' に着脱自在に嵌合して、ゴミ袋取出口を開閉自在に形成している。尚、ロッド19a, 19b, 19c, 19dは、両端が下方に向けて折曲し、ロッドが支柱から外れるのを防止している。

【0017】図2は、収容箱を大きく形成した場合の本発明の実施例を示すものであり、移動支柱1 (1') と固定支柱2 (2') との間に、第2の移動支柱1a (1a') を固定した例を示す。移動支柱1 (1') と第2の移動支柱1a (1a') との間及び移動支柱1a (1a') と固定支柱2, 2' との間には、前記実施例と同様にプレーシングで伸縮自在に連結されている。

【0018】蓋体18としては、図3に示すように、複数枚の板体25a, 25b, 25cを、折り畳み自在に連結しても良い。また、ゴミ投入口及びゴミ取出口は、図3に示すように、観音開きの扉26, 27を2段に連設し、上方の扉26を開いてゴミ投入口とし、上下の両方の扉26, 27を開いて、ゴミ取出口としても良い。

【0019】次に、図1のように構成された本発明の収容箱を使用する方法を図面に基いて説明する。まず、移動支柱1, 1' と固定支柱2, 2' が近接して折り畳まれた状態から、移動支柱1, 1' を前方に引き出すと、移動支柱1, 1' と固定支柱2, 2' との間のプレーシングが×状に開いて図1に示す状態となる。

【0020】この状態では、前板17の上方には、網状若しくは布状体が張設されているので、ゴミ袋を投入するときは、ロッド19cをL字形係止部材20から持ち上げて、U字状金具21に載置する。この状態で、収容

5

箱の前面上部は開口するので、この開口部からゴミを収容したポリ袋を投入する。ゴミ袋を投入しないときは、ロッド19cをL字形係止部材20に嵌合させて開口部を閉じる。

【0021】ゴミを収集回収する時は、固定支柱側に係止したロッド19dを持ち上げて、U字状金具21'に載置して後面を開口し、この開口部から作業員が内部に入ってポリ袋を全て取り出す。

【0022】

【発明の効果】以上述べたごとく、本発明によれば、残飯等を収容したゴミ袋を、カラスや猫等に食い荒らされないように、しかも整然と道路の美観を損ねることなく収容することができるほか、ゴミ回収日以外は、極めて容易にコンパクトに折り畳むことができるので、車両や通行人の邪魔にならないようにすることができる。

【0023】

6

【図面の簡単な説明】

【図1】本発明の実施例を示す斜視図である。

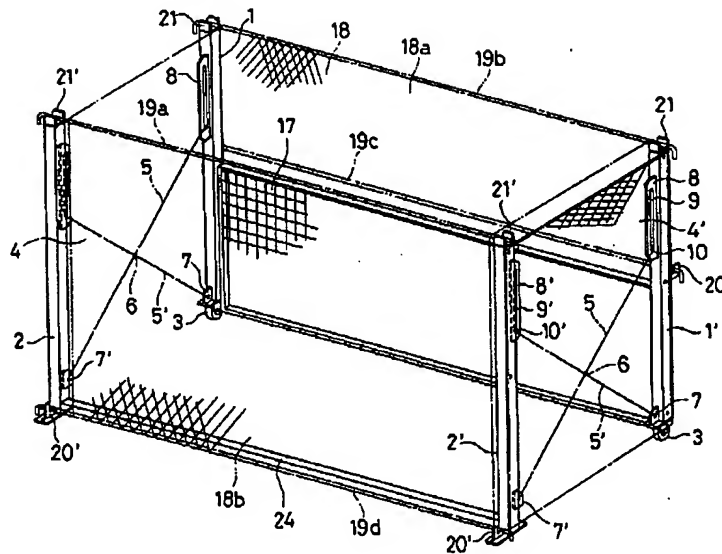
【図2】本発明の他の実施例を示す斜視図である。

【図3】本発明の他の実施例を斜視図である。

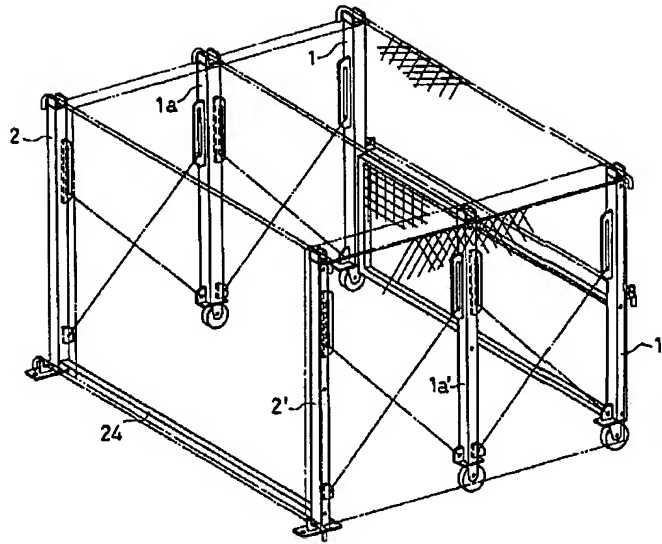
【符号の説明】

1, 1'	移動支柱
2, 2'	固定支柱
4, 4'	ネット
18	蓋体を形成する網状若しくは布状体
18a	ゴミ投入口を形成する網状若しくは布状体
18b	ゴミ取出口を形成する網状若しくは布状体
19a, 19b, 19c 19d	ロッド

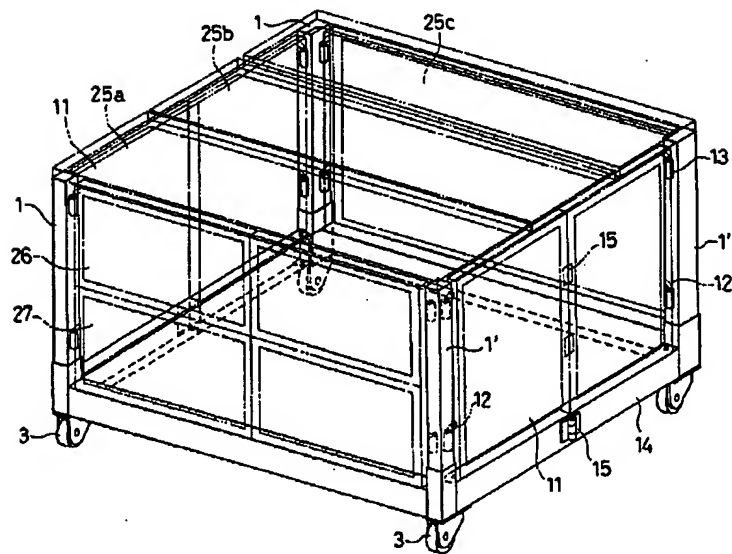
【図1】



【図2】



【図3】



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DETAILED DESCRIPTION

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[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the compact which holds temporarily the garbage bag of a large number filled up with a contaminant, leftover food, etc. at a foldable comfort bag hold box.

[0002]

[Description of the Prior Art] As everyone knows, kitchen garbages, such as a contaminant and leftover food, are held in a garbage bag, and if this is left and put on the predetermined accumulation location of a road on a predetermined day, the cram packer carries out collection conveyance of this. When a deer was carried out and kitchen garbages, such as leftover food, were held in the garbage bag of Pori, while the crow, the cat, etc. tore the garbage bag, and contaminants were scattered about in the road and spoiling the fine sight of a road, there were problems, like collection of the scattered contaminants takes time and effort very much.

[0003] The garbage bag hold box is made not to be torn by the crow, a cat, etc. and the such comfort bag was made not to become an obstacle of a car or a passerby moreover other than a dust collection day is not known at all conventionally, and such the way of thinking is not known at all, either.

[0004]

[Problem(s) to be Solved by the Invention] This invention aims at offering the cheap comfort bag hold box which is made not to be torn by the crow, a cat, etc., folds up a garbage bag by one-touch easily while making it not become an obstacle of a car or a passerby moreover other than a dust collection day, and can be formed in a \*\*\*\* hold box.

[0005]

[Means for Solving the Problem] The configuration of this invention in alignment with the above-mentioned purpose sets up a stanchion in the four corners, and forms a box in them. By while countering and connecting a stanchion and the stanchion of another side which counters elastically, respectively, losing a bottom plate, or forming it by the elastic member, and moving one [ said ] stanchion to the direction of the stanchion of said another side It is characterized by constituting so that said box can be formed by folding up said box and pulling one [ said ] stanchion back.

[0006]

[Embodiment of the Invention] Next, the example of this invention is explained based on a drawing. As shown in drawing 1 , a network 4 and 4' are stretched by walking props 1, the fixed stanchion 2 and walking-props 1', and fixed stanchion 2'. \*\*\*\* 3 is being fixed to walking props 1 and 1' lower limit so that it can move easily. Moreover, connection immobilization of the lower limit of the fixed stanchion 2 and 2' is carried out with the beam 24.

[0007] It is connected so that walking props 1 (1') and the fixed stanchion 2 (2') may expand and contract free at bracing. Bracing connects a link 5 and the center section where 5' crosses free [ rotation ] with a screw 6, as shown in drawing 1 . The lower limit of a link 5 and 5' is fixed to the board 7 and 7' which were fixed to walking props 1 (1') and the fixed stanchion 2 (2'), respectively free [ rotation ]. The upper limit of a link 5 and 5' By inserting a screw 10 and 10' in walking props 1, 1' and



the fixed stanchion 2, the guide frame 8 fixed to 2', the long hole 9 formed in 8', and 9' at a link 5 and 5' upper limit, respectively, it is constituted so that a link may be shown at a long hole 10 and 10' and it may move up and down free.

[0008] In the above-mentioned example, walking props 1 (1') and the fixed stanchion 2 (2') are connected so that it may expand and contract free by bracing, but if it may expand and contract free, other means are sufficient as them, for example, even if it connects so that it may expand and contract free by the splice barrel, it does not interfere. Since walking props 1, 1', and the fixed stanchion 2 and 2' are connected by the network 4 and 4', walking props 1 and 1' were only moved ahead, and a hold box is folded up, only moves walking props 1 and 1' back, and is again formed in a hold box.

[0009] Although the stanchion of four corners is formed with walking props 1 (1') and the fixed stanchion 2 (2'), you may make it turn into walking props 1 (1') altogether in the above-mentioned example, as shown in drawing 3. in this case, \*\*\*\* 3 -- a lock -- possible -- constituting -- one walking props 1 (1') -- locking -- a hold box -- formation -- or it is good to make it fold up.

[0010] In the above-mentioned example, although connected by the network 4 and 4', walking props 1, 1', and the fixed stanchion 2 and 2' will not be limited, especially if I hope that this is not necessarily such and it is an elastic member. For example, you may connect by the sheet-like object or bellows-like member like an accordion curtain. By connecting a center free [ bending ] on a hinge 15, forming a stanchion 1 and the side plate 11 between 1', and moving one walking props 1 and 1' ahead, as shown in drawing 3, moreover, a side plate 11 It bends to the inner direction in Yamagata, and a hold box is folded up, only moves one walking props 1 and 1' back, and may be made to be formed in a hold box again.

[0011] Immobilization of the side plate 11 shown in drawing 3 is performed by inserting the metallic ornaments 12 of the ancyloid which the 11 side plate flank fixed up and down in walking props 1 and the pipe 13 which 1' fixed up and down. In addition, in drawing 3, the lower limit of a side plate 11 is approached, and it connects with walking props 1 and 1', and with a side plate 11, the beam 14 connected free [ bending ] on the hinge 15 bends to the inner direction in Yamagata, and is folded up.

[0012] In the example shown in above-mentioned drawing 1 and drawing 3, although not prepared, a bottom plate is formed by the elastic member, the shape of for example, a sheet, the network-like object, or bellows-like member like an accordion curtain, when preparing a bottom plate.

[0013] Down [ between walking props 1 and 1' ], as shown in drawing 1, the dark room 17 which stretched the wire gauze 16 is being fixed free [ attachment and detachment ]. The walking props 1 of dark room 17 and immobilization in 1' are performed by making said walking props 1 and the both-sides section of 1' fit loosely into opening of the holddown member (illustration abbreviation) of the cross-section KO typeface fixed so that opening might counter. Of course, even if it fixes with other means, it does not interfere.

[0014] the U character-like metallic ornaments 21 and 21' which countered and formed the rods 19a and 19b which formed reticulated [ a lid 18 ] or free [ the expansion and folding in a blanket-like object ], and were fixed to the tip (fixed stanchion side) and the back end (walking-props side) of a lid as shown in drawing 1 in the upper limit of walking props 1, 1' and the fixed stanchion 2, and 2' -- attachment and detachment -- free -- fitting in -- a lid 18 -- opening -- and it forms so that it may be closed down.

[0015] dust input port is formed at the tip of rod 19b fixed to the back end (walking-props side) of a lid - reticulated or blanket-like object 18a forms successively -- having -- this -- it fits in reticulated or free [ the attachment and detachment to the stop member 20 of L typeface which approached and fixed to dark room 17 upper limit of walking props rod 19c fixed at the tip of blanket-like object 18a ], and garbage bag input port is formed free [ closing motion ].

[0016] in rod 19a which carried out fitting immobilization at the fixed stanchion side of a lid 18, reticulated or blanket-like object 18b forms successively -- having -- this -- it fits in reticulated or free [ the attachment and detachment to stop member 20' of L typeface which fixed to the fixed stanchion lower limit rod 19d fixed at the tip of blanket-like object 18b ], and garbage bag output port is formed free [ closing motion ]. In addition, both ends turned caudad Rods 19a, 19b, 19c, and 19d, bent them, and they have prevented that a rod separates from a stanchion.

[0017] Drawing 2 shows the example of this invention at the time of forming a hold box greatly, and shows the example which fixed 2nd walking-props 1a (1a') between walking props 1 (1') and the fixed stanchion 2 (2'). Between walking props 1 (1') and 2nd walking-props 1a (1a') and between walking-props 1a (1a'), and the fixed stanchion 2 and 2', it is elastically connected by bracing like said example.

[0018] As a lid 18, as shown in drawing 3, the boards 25a, 25b, and 25c of two or more sheets may be connected free [ folding ]. Moreover, as shown in drawing 3, dust input port and dust output port form the double doors 26 and 27 opening outward successively to two steps, are used as dust input port, open [ the upper door 26 is opened, and ] the doors 26 and 27 up-and-down [ both ], and are good also as dust output port.

[0019] Next, how to use the hold box of this invention constituted like drawing 1 is explained based on a drawing. First, if walking props 1 and 1' are pulled out ahead, it will be in the condition which bracing between walking props 1, 1', and the fixed stanchion 2 and 2' opens in the shape of x, and shows in drawing 1 from the condition that walking props 1, 1' and the fixed stanchion 2, and 2' were folded up by approaching.

[0020] In this condition, since the blanket-like object is stretched, reticulated or when throwing in a garbage bag, rod 19c is raised above dark room 17 from L typeface stop member 20, and it lays in it at the U character-like metallic ornaments 21. In this condition, since opening of the front upper part of a hold box is carried out, the plastic bag which held dust from this opening is thrown in. When not throwing in a garbage bag, fitting of the rod 19c is carried out to L typeface stop member 20, and opening is closed.

[0021] When carrying out collection recovery of the dust, rod 19d stopped to the fixed stanchion side is raised, it lays in U character-like metallic-ornaments 21', opening of the rear face is carried out, a worker goes into the interior from this opening, and all plastic bags are taken out.

[0022]

[Effect of the Invention] Since according to this invention it can hold, without moreover spoiling the fine sight of a road tidily and also can fold up in a compact very easily except a dust recovery day so that neither a crow nor a cat may eat away the garbage bag which held leftover food etc. as stated above, it can avoid becoming an obstacle of a car or a passerby.

[0023]

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[Translation done.]

\* NOTICES \*

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1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. \*\*\*\* shows the word which can not be translated.
3. In the drawings, any words are not translated.

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CLAIMS

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[Claim(s)]

[Claim 1] Set up a stanchion in the four corners and form a box in them, and while counters and a stanchion and the stanchion of another side which counters are connected elastically, respectively. A bottom plate is a garbage bag hold box characterized by constituting so that said box can be formed by folding up said box and pulling one [ said ] stanchion back by losing, or forming by the elastic member and moving one [ said ] stanchion to the direction of the stanchion of said another side.

[Claim 2] The hold box according to claim 1 which it comes to form the lid of said box, enabling free expansion and free folding.

[Claim 3] The hold box according to claim 1 which makes one [ said ] stanchion walking props and becomes considering the stanchion of said another side as a fixed stanchion.

[Claim 4] The hold box according to claim 1 which comes to carry out connection immobilization of said fixed stanchions with a beam.

[Claim 5] The hold box according to claim 1 which comes to connect one [ said ] stanchion and said stanchion of another side which counters by the respectively elastic member.

[Claim 6] The hold box according to claim 5 which sets up the 2nd walking props between said walking props and said fixed stanchions, and comes to fix these 2nd walking props to said elastic member.

[Claim 7] The hold box according to claim 5 which comes to form said elastic member by the sheet, the network-like object, or the bellows-like object.

[Claim 8] The hold box according to claim 1 which connects and becomes so that said walking props and said fixed stanchion may be expanded and contracted free by bracing.

[Claim 9] The garbage bag hold box according to claim 6 which connects and becomes so that said walking props and said 2nd walking props, and these 2nd walking props and said fixed stanchion may be expanded and contracted free by bracing.

[Claim 10] The hold box according to claim 8 or 9 which said bracing connects a link free [ rotation ] in the center section, fixes the end of said link to said walking props or a fixed stanchion free [ rotation ], respectively, and comes to support the other end of said link to the long hole formed in the guide frame fixed to walking props or a fixed stanchion, respectively free [ vertical movement ].

[Claim 11] A lid is formed reticulated or free [ the expansion and folding in a blanket-like object ], it fits into the concave slot which countered and prepared the rod fixed to the tip and the back end of this lid in the upper limit of said walking props and a fixed stanchion free [ attachment and detachment ], and they are opening and the hold box according to claim 1 which constitutes and becomes so that it can be closed down about a lid.

[Claim 12] The hold box according to claim 11 which comes to attach dark room in the lower part between said walking props.

[Claim 13] reticulated to the rod fixed to the walking-props side of said lid, or a blanket-like object -- forming successively -- this -- the hold box according to claim 12 which stops reticulated or free [ the attachment and detachment to the stop member which approached and fixed to said dark room upper limit of said walking props the rod fixed at the tip of a blanket-like object ], and it comes to form

garbage bag input port, enabling free closing motion.

[Claim 14] reticulated to the rod fixed to the fixed stanchion side of said lid, or a blanket-like object -- forming successively -- this -- the hold box according to claim 13 which stops reticulated or free [ the attachment and detachment to the stop member which fixed to said fixed stanchion the rod fixed at the tip of a blanket-like object ], and it comes to form garbage bag output port, enabling free closing motion.

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[Translation done.]